

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NORTH OPTIONAL LONGITUDINAL  
CONSTRUCTION JOINT

GIRDER 1

| Location              | Station  | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------------|----------|--------|------------------------------|--|
| Back of West Abut.    | 47468.48 | -14.58 | 572.19                       | 572.19   |
| CL Bearing West Abut. | 47469.73 | -14.58 | 572.19                       | 572.19   |
| A                     | 47479.73 | -14.58 | 572.16                       | 572.16   |
| B                     | 47489.73 | -14.58 | 572.13                       | 572.13   |
| C                     | 47499.73 | -14.58 | 572.08                       | 572.08   |
| D                     | 47509.73 | -14.58 | 572.03                       | 572.03   |
| CL Bearing Pier 1     | 47514.73 | -14.58 | 572.00                       | 572.00   |
| E                     | 47524.73 | -14.58 | 571.94                       | 571.96   |
| F                     | 47534.73 | -14.58 | 571.87                       | 571.90   |
| G                     | 47544.73 | -14.58 | 571.78                       | 571.83   |
| H                     | 47554.73 | -14.58 | 571.70                       | 571.74   |
| I                     | 47564.73 | -14.58 | 571.60                       | 571.64   |
| J                     | 47574.73 | -14.58 | 571.49                       | 571.51   |
| CL Bearing Pier 2     | 47586.15 | -14.58 | 571.36                       | 571.36   |
| K                     | 47596.15 | -14.58 | 571.23                       | 571.23   |
| L                     | 47606.15 | -14.58 | 571.10                       | 571.10   |
| M                     | 47616.15 | -14.58 | 570.96                       | 571.96   |
| N                     | 47626.15 | -14.58 | 570.81                       | 570.81   |
| CL Bearing East Abut. | 47631.15 | -14.58 | 570.73                       | 570.73   |
| Back of East Abut.    | 47632.40 | -14.58 | 570.71                       | 570.71   |

| Location              | Station  | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------------|----------|--------|------------------------------|--|
| Back of West Abut.    | 47468.48 | -12.00 | 572.24                       | 572.24   |
| CL Bearing West Abut. | 47469.73 | -12.00 | 572.24                       | 572.24   |
| A                     | 47479.73 | -12.00 | 572.21                       | 572.22   |
| B                     | 47489.73 | -12.00 | 572.18                       | 572.18   |
| C                     | 47499.73 | -12.00 | 572.14                       | 572.14   |
| D                     | 47509.73 | -12.00 | 572.09                       | 572.08   |
| CL Bearing Pier 1     | 47514.73 | -12.00 | 572.06                       | 572.06   |
| E                     | 47524.73 | -12.00 | 571.99                       | 572.01   |
| F                     | 47534.73 | -12.00 | 571.92                       | 571.92   |
| G                     | 47544.73 | -12.00 | 571.84                       | 571.89   |
| H                     | 47554.73 | -12.00 | 571.75                       | 571.80   |
| I                     | 47564.73 | -12.00 | 571.65                       | 571.69   |
| J                     | 47574.73 | -12.00 | 571.54                       | 571.57   |
| CL Bearing Pier 2     | 47586.15 | -12.00 | 571.41                       | 571.41   |
| K                     | 47596.15 | -12.00 | 571.29                       | 571.29   |
| L                     | 47606.15 | -12.00 | 571.15                       | 571.16   |
| M                     | 47616.15 | -12.00 | 571.01                       | 571.02   |
| N                     | 47626.15 | -12.00 | 570.86                       | 570.86   |
| CL Bearing East Abut. | 47631.15 | -12.00 | 570.78                       | 570.78   |
| Back of East Abut.    | 47632.40 | -12.00 | 570.76                       | 570.76   |

GIRDER 2

| Location              | Station  | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------------|----------|--------|------------------------------|--|
| Back of West Abut.    | 47468.48 | -8.75  | 572.29                       | 572.29   |
| CL Bearing West Abut. | 47469.73 | -8.75  | 572.29                       | 572.29   |
| A                     | 47479.73 | -8.75  | 572.26                       | 572.27   |
| B                     | 47489.73 | -8.75  | 572.23                       | 572.23   |
| C                     | 47499.73 | -8.75  | 572.19                       | 572.19   |
| D                     | 47509.73 | -8.75  | 572.14                       | 572.14   |
| CL Bearing Pier 1     | 47514.73 | -8.75  | 572.11                       | 572.11   |
| E                     | 47524.73 | -8.75  | 572.04                       | 572.06   |
| F                     | 47534.73 | -8.75  | 571.97                       | 572.01   |
| G                     | 47544.73 | -8.75  | 571.89                       | 571.94   |
| H                     | 47554.73 | -8.75  | 571.80                       | 571.85   |
| I                     | 47564.73 | -8.75  | 571.70                       | 571.74   |
| J                     | 47574.73 | -8.75  | 571.59                       | 571.62   |
| CL Bearing Pier 2     | 47586.15 | -8.75  | 571.46                       | 571.46   |
| K                     | 47596.15 | -8.75  | 571.34                       | 571.34   |
| L                     | 47606.15 | -8.75  | 571.20                       | 571.21   |
| M                     | 47616.15 | -8.75  | 571.06                       | 571.07   |
| N                     | 47626.15 | -8.75  | 570.91                       | 570.91   |
| CL Bearing East Abut. | 47631.15 | -8.75  | 570.83                       | 570.83   |
| Back of East Abut.    | 47632.40 | -8.75  | 570.81                       | 570.81   |

GIRDER 3

| Location              | Station  | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------------|----------|--------|------------------------------|--|
| Back of West Abut.    | 47468.48 | -2.92  | 572.38                       | 572.38   |
| CL Bearing West Abut. | 47469.73 | -2.92  | 572.38                       | 572.38   |
| A                     | 47479.73 | -2.92  | 572.36                       | 572.36   |
| B                     | 47489.73 | -2.92  | 572.32                       | 572.33   |
| C                     | 47499.73 | -2.92  | 572.28                       | 572.28   |
| D                     | 47509.73 | -2.92  | 572.23                       | 572.23   |
| CL Bearing Pier 1     | 47514.73 | -2.92  | 572.20                       | 572.20   |
| E                     | 47524.73 | -2.92  | 572.13                       | 572.15   |
| F                     | 47534.73 | -2.92  | 572.06                       | 572.10   |
| G                     | 47544.73 | -2.92  | 571.98                       | 572.03   |
| H                     | 47554.73 | -2.92  | 571.89                       | 571.94   |
| I                     | 47564.73 | -2.92  | 571.79                       | 571.83   |
| J                     | 47574.73 | -2.92  | 571.69                       | 571.71   |
| CL Bearing Pier 2     | 47586.15 | -2.92  | 571.55                       | 571.55   |
| K                     | 47596.15 | -2.92  | 571.43                       | 571.43   |
| L                     | 47606.15 | -2.92  | 571.30                       | 571.30   |
| M                     | 47616.15 | -2.92  | 571.15                       | 571.16   |
| N                     | 47626.15 | -2.92  | 571.00                       | 571.00   |
| CL Bearing East Abut. | 47631.15 | -2.92  | 570.92                       | 570.92   |
| Back of East Abut.    | 47632.40 | -2.92  | 570.90                       | 570.90   |

ROADWAY & P.G.E.

| Location              | Station  | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------------|----------|--------|------------------------------|--|
| Back of West Abut.    | 47468.48 | 0.00   | 572.43                       | 572.43   |
| CL Bearing West Abut. | 47469.73 | 0.00   | 572.43                       | 572.43   |
| A                     | 47479.73 | 0.00   | 572.40                       | 572.41   |
| B                     | 47489.73 | 0.00   | 572.37                       | 572.37   |
| C                     | 47499.73 | 0.00   | 572.32                       | 572.32   |
| D                     | 47509.73 | 0.00   | 572.27                       | 572.27   |
| CL Bearing Pier 1     | 47514.73 | 0.00   | 572.24                       | 572.24   |
| E                     | 47524.73 | 0.00   | 572.18                       | 572.20   |
| F                     | 47534.73 | 0.00   | 572.11                       | 572.14   |
| G                     | 47544.73 | 0.00   | 572.03                       | 572.07   |
| H                     | 47554.73 | 0.00   | 571.94                       | 571.99   |
| I                     | 47564.73 | 0.00   | 571.84                       | 571.88   |
| J                     | 47574.73 | 0.00   | 571.73                       | 571.75   |
| CL Bearing Pier 2     | 47586.15 | 0.00   | 571.60                       | 571.60   |
| K                     | 47596.15 | 0.00   | 571.47                       | 571.47   |
| L                     | 47606.15 | 0.00   | 571.34                       | 571.34   |
| M                     | 47616.15 | 0.00   | 571.20                       | 571.20   |
| N                     | 47626.15 | 0.00   | 571.05                       | 571.05   |
| CL Bearing East Abut. | 47631.15 | 0.00   | 570.97                       | 570.97   |
| Back of East Abut.    | 47632.40 | 0.00   | 570.95                       | 570.95   |

**TOP OF SLAB ELEVATIONS  
KINMUNDY/LOUISVILLE ROAD  
OVER ILLINOIS CENTRAL RR  
STA. 475+50.44**

|          |               |
|----------|---------------|
| DESIGNED | B.B.          |
| CHECKED  | C.J.F.        |
| DRAWN    | J.G.          |
| CHECKED  | C.J.F. & B.B. |



**BERNARDIN  
LOCHMUELLER &  
ASSOCIATES, INC.**

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Maryville, IL 62062-5635  
Local-(618) 289-4865  
Fax 618-288-4866

|   |             |                    |        |              |           |
|---|-------------|--------------------|--------|--------------|-----------|
| SHEET NO. 4<br>22 SHEETS                        | F.A.S. RTE. | SECTION            | COUNTY | TOTAL SHEETS | SHEET NO. |
|   | 2703        | (9-VBR)B           | CLAY   | 65           | 26        |
| SN 013-0044                                     |             | CONTRACT NO. 74136 |        |              |           |
| FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT |             |                    |        |              |           |